

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****1.1. Product Identifier**Trade name: **Liquid hardener for spray putty APP Harter SN 05**Trade code: **010533****1.2. Relevant identified uses of the substance/mixture and uses advised against Hardener.****1.3. Details of the supplier of the safety data sheet**

Company: APP Sp. z o. o.  
ul. Przemysłowa 10, 62 – 300 Września  
Tel. +48 (061) 437 00 00  
Fax. +48 (061) 437 91 37  
Mail: [app@app.com.pl](mailto:app@app.com.pl)  
Strona WEB: [www.app.com.pl](http://www.app.com.pl)

Safety Data Sheet e-mail: [dzp@app.com.pl](mailto:dzp@app.com.pl)**1.4. Emergency telephone number:****+48 (61) 437 00 00**

Date of issue: 2017-05-29

**SECTION 2. HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008



GHS02



GHS05



GHS07

Dgr

H225 Highly flammable liquid and vapour

H242 Heating may cause a fire

H314 Causes severe skin burns and eye damage

H336 May cause drowsiness or dizziness

**2.2. Label elements****Labelling according Regulation (EC) No 1272/2008****The packages contents less than 125 ml.**

Contains:

Ethyl acetate

Methylethylketone peroxide

**Signal word:**

Danger

**Pictogram:**

GHS02



GHS05



GHS07

**Hazard statement(s)**

H314 Causes severe skin burns and eye damage

**Precautionary statement(s)**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+ P361+ P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

water/shower.

P305 + P351 +P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P405 Store locked up.

### 2.3 Other hazards

UN: 3107

Does not fulfil criteria of PBT and vPvB according to annex XIII 1907/2006

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

N.A.

### 3.2. Mixtures

Hazardous components within the meaning of CLP regulation and related classification:

Name	Conc.	CAS No	Index No	EC No	Classification:
<b>Ethyl acetate</b> REACH Reg No: 01-2119475103-46	25-50%	141-78-6	607-022-00-5	205-500-4	<b>GHS02; GHS07</b> <b>Dgr</b> <b>Flam. Liq. 2; H225</b> <b>Eye Irrit. 2: H319</b> <b>STOT SE 3: H336</b>
<b>Methylethylketone peroxide</b>	10-<25%	1338-23-4	-	215-661-2	<b>GHS01; GHS02;</b> <b>GHS05; GHS07</b> <b>Dgr</b> <b>OrgPeroxB: H241</b> <b>SkinCorr1B: H314</b> <b>AcuteTox4: H302</b>
<b>4-hydroxy-4-methylpentan-2-one; diacetone alcohol</b> REACH Reg No 05-2117814057-48	2,5-<10 %	123-42-2	603-016-00-1	204-626-7	<b>GHS02; GHS07</b> <b>Wng</b> <b>FlamLiq3: H226</b> <b>EyeIrrit2: H319</b>
<b>cyclohexanone, peroxide</b> REACH Reg No 01-2119716628-32	2,5-<5%	12262-58-7	617-010-00-1	235-527-7	<b>GHS01; GHS05;</b> <b>GHS07</b> <b>Dgr</b> <b>OrgPeroxA: H240;</b> <b>SkinCorr1B: H314</b> <b>AcuteTox4: H302</b>
<b>Hydrogen peroxide</b>	1-<2,5%	7722-84-1	008-003-00-9	231-765-0	<b>GHS03; GHS05;</b> <b>GHS07</b> <b>Dgr</b> <b>OxLiq1: H271</b> <b>AcuteTox4: H302</b> <b>AcuteTox4: H332</b> <b>SkinCorr1A: H314</b> <b>AquaticChronic1: H410</b>
<b>Trimethyl pentanyl diisobutyrate</b>	2,5-<10%	4864-50-0	-	229-934-9	<b>AquaticChronic3: H412</b>

Full text of H-Phrases can be found under heading 16

---

**SECTION 4. FIRST AID MEASURES**

---

**4.1. Description of first aid measures****In case of skin contact:**

Immediately take off all contaminated clothing. After contact with skin, wash immediately with soap and plenty of water. Consult a doctor immediately and show him label or Safety Data Sheet.

**In case of eyes contact:**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time. consult a doctor immediately and show him label or Safety Data Sheet. Remove Contact Lenses

**In case of Ingestion:**

Do not under any circumstances induce vomiting. Never give anything by mouth to an unconscious person. Consult a doctor immediately and show him label or Safety Data Sheet.

**In case of Inhalation:**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of respiration problems, consult a doctor immediately and show him label or Safety Data Sheet.

**4.2. Most important symptoms and effects, both acute and delayed:**

Causes severe skin burns and eye damage. May cause drowsiness or dizziness

**4.3. Indication of any immediate medical attention and special treatment needed**

In case if ingestion consult a doctor.

**Treatment:**

None

---

**SECTION 5. FIRE-FIGHTING MEASURES**

---

**5.1. Extinguishing media****Suitable extinguishing media:**

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**Extinguishing media which must not be used for safety reasons:**

Water jet.

**5.2. Special hazards arising from the substance or mixture:**

Highly flammable liquid and vapour. Heating may cause a fire

Flammable liquid. The vapour is heavier than air, spreads along the ground and distant ignition is possible. Toxic fumes may be evolved on burning or exposure to heat. Do not inhale explosion and combustion gases.

**5.3. Advice for fire-fighters**

Fires in confined spaces should be dealt with by trained personnel wearing approved air supplied breathing apparatus. Water may be used to cool nearby heat exposed areas/objects/packages. Avoid spraying directly into storage containers because of the danger of boil-over. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

---

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

---

**6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

**6.2. Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

**6.3. Methods and material for containment and cleaning up**

Contain and recover liquid using sand or other suitable inert absorbent material. It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage which may be reasonably anticipated. Recovery of large spillages should be effected by specialist personnel. Protect drains from potential spills to minimise contamination. Do not wash product into drainage system. Large and uncontained spillages should be smothered in foam to reduce the risk of ignition. The foam blanket should be maintained until the area is declared safe. Vapour is heavier than air and may travel to remote sources of ignition (e.g. along drainage systems, in basements, etc.). In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies. In case of spillage at sea, approved dispersants may be used where authorized by the appropriate regulatory authority. In the event of spillages, contact the appropriate authorities.

**6.4. Reference to other sections**

See Section 8 for information on personal protection equipment.

**SECTION 7. HANDLING AND STORAGE****7.1. Precautions for safe handling**

Avoid breathing vapours or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. Air-dry contaminated clothing in a well-ventilated area before laundering. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Use local exhaust ventilation if there is risk of inhalation of vapours. Prevent spillages. For comprehensive advice on handling, product transfer, storage and tank cleaning refer to the product supplier. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

**7.2. Conditions for safe storage, including any incompatibilities**

Store and dispense only in well ventilated areas away from heat and sources of ignition. Store and use only in equipment/containers designed for use with the product. Containers must be properly labelled and kept closed when not in use. Do not remove warning labels from containers. Do not re-use container for any other product. Empty packages may retain residual product; retain hazard warning labels on empty packages as a guide to their safe handling, storage and disposal. Do not introduce an ignition source. Heating may cause an explosion. Storage on solid, hydrocarbons-proof floor.

**7.3. Specific end use(s)**

None.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

N.A.

**8.2. Exposure controls**

Do not eat, drink or smoke while working. Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin.

Eye protection:

Wear face visor or goggles.

Protection for skin/hands:

Wear impervious protective clothing and/or gloves (neoprene ). Protective clothing should be regularly inspected and maintained. Change heavily contaminated clothing as soon as reasonably practicable and launder before re-use. Wash any contaminated underlying skin with soap and water.

Respiratory protection:

Respiratory protection is normally unnecessary, provided the concentration of vapour is adequately controlled. If operations are such that the excessive generation and inhalation of vapour may be anticipated, then suitable approved organic vapour and particulate respiratory equipment should be worn

Thermal Hazards:

None

Environmental exposure controls:

None

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance and colour: liquid, colourless

Odour: characteristic

Odour threshold: N.D.

pH: ND

Melting point / freezing point: N.D.

Initial boiling point and boiling range: 77°C

Upper/lower flammability or explosive limits: 2.1-11.5%

Vapour density: N.D.

Flash point: 2°C

Evaporation rate: N.A.

Vapour pressure: 97 mmHg

Density: 1008 kg/m<sup>3</sup> (15°C)

Solubility in water: soluble

Solubility in organic solvents: soluble in aromatic solvents

Lipid solubility: N.A.

Partition coefficient (n-octanol/water): N.A.

Ignition temperature: N.D.

Auto-ignition temperature: N.A.  
Decomposition temperature: N.A.  
Viscosity dyn.: 38 mPas  
Viscosity kin.: N.D.  
Explosive properties: can form an explosive mixture in air  
Oxidizing properties: not oxidizing  
**9.2. Other information**  
VOC: 52.7%

**SECTION 10. STABILITY AND REACTIVITY****10.1. Reactivity**

Mixture is not reactive.

**10.2. Chemical stability**

Stable under normal conditions of handling and storage.

**10.3. Possibility of hazardous reactions**

With strong acids - discharge heat.

**10.4. Conditions to avoid**

- solar radiation
- sparks
- flame
- heat

**10.5. Incompatible materials**

- strong oxidisers
- strong acids

**10.6. Hazardous decomposition products**

None.

**SECTION 11. TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

Causes severe skin burns and eye damage

May cause drowsiness or dizziness

- a) acute toxicity:** no hazard
- b) skin corrosion/irritation:** Causes severe skin burns
- c) serious eye damage/irritation:** Causes eye damage
- d) respiratory or skin sensitization:** no hazard
- e) germ cell mutagenicity:** no hazard
- f) carcinogenicity:** no hazard
- g) reproductive toxicity:** no hazard
- h) STOT-single exposure:** May cause drowsiness or dizziness
- i) STOT-repeated exposure:** no hazard
- j) aspiration hazard:** no hazard

**SECTION 12. ECOLOGICAL INFORMATION****12.1. Toxicity**

Mixture is not classified as hazardous.

**12.2. Persistence and degradability**

No data.

**12.3. Bioaccumulative potential**

No data.

**12.4. Mobility in soil**

No data

**12.5. Results of PBT and vPvB assessment**

vPvB Substances: None - PBT Substances: None

**12.6. Other adverse effects**

None

**SECTION 13. DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations or if approved allowed to degrade in situ. Dispose of product and container carefully and responsibly. Do not dispose of near ponds, ditches, down drains or onto soil. Empty packages may contain some remaining product. Hazard warning labels are a guide to the safe handling of empty packages and should not be removed.

**SECTION 14. TRANSPORT INFORMATION****14.1. UN number**

3107

**14.2. UN proper shipping name**

Organic peroxide type E, liquid

**14.3. Transport hazard class(es)**

5.2

**14.4. Packing Group**

-

**14.5. Environmental hazards**

YES

**14.6. Special Precautions for User**

-

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

-

**SECTION 15. REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.

**Where applicable, refer to the following regulatory provisions :**

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

**15.2. Chemical Safety Assessment**

No

**SECTION 16. OTHER INFORMATION**Full text of phrases referred to in Section 3:

H225 Highly flammable liquid and vapour

H240 Heating may cause an explosion

H241 Heating may cause a fire or explosion

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

EUH066 Repeated exposure may cause skin dryness or cracking.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.